2025-2026

OSSAA DISTRICT CHAMPIONSHIP

High School

GAME 1

Welcome to the Oklahoma Secondary School Activities Association Academic Bowl. You have previously been instructed regarding the rules. Please turn off all cell phones, tablets, or any device that can receive or send messages. Coaches, team members, and guests are to sit behind their team. Coaches, your protests need to be at the allowed times.

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- Introduce yourself and the chief judge.
- **Give your four count.** – Do this for *every* match (Game Procedures A – 11)
- Have the chief judge check the buzzers.

Note (do not read):

Official closest to scorekeeper: Make sure that scorekeeper has **full names** of students and check after first few questions that they are fully shading in correct answers, and marking correct answers only.

Official closest to timekeeper: Make sure the timekeeper is starting the clock and clearing for the first few questions.

	Team 1	Team 2

1. This literary character joins the Night's Watch and rises to the rank of Lord Commander before being betrayed by his own men. He forges a crucial alliance with the Free Folk, including Tormund Giantsbane, and helps defend the realm against the threat beyond the Wall. Identify this character who is raised as the illegitimate son of Eddard Stark in George R.R. Martin's *A Song of Ice and Fire*.

Answer: Jon Snow

2. This American singer served as a coach on The Voice for 16 seasons and appeared in films like Begin Again. He is best known as the lead vocalist of Maroon 5, whose debut album *Songs About Jane* produced multiple top 40 hits. Name this performer.

Answer: Adam Levine

3. This poem urges its audience to "rage, rage against the dying of the light" and uses examples such as "wise men," "good men," "wild men," and "grave men" to emphasize resistance to death. It is structured as a villanelle and was written for the poet's dying father. Name this famous 1951 poem by Dylan Thomas.

Answer: *Do Not Go Gentle into That Good Night*

4. This waterfall is fed by Honey Creek and forms a popular swimming area at its base, especially during summer months. It is located in the Arbuckle Mountains and is known for being the tallest waterfall in Oklahoma at 77 feet. What is the name of this natural attraction near Davis, Oklahoma?

Answer: Turner Falls

5. **Math Computation:** Simplify sec(2pi/3) - tan(pi/6) [read: secant of the quantity 2pi over 3 end quantity minus tangent of the quantity pi over 6 end quantity].

Answer: -2 - 1/√3 [read: negative 2 minus 1 divided by (over) radical (square root) 3]

6. This scientist proposed a definition of acids and bases in which acids increase the concentration of hydrogen ions and bases increase hydroxide ions in aqueous solution. He also introduced an equation that relates reaction rates to temperature and activation energy. What is the name of this Swedish chemist who won the Nobel Prize in Chemistry in 1903?

Answer: Svante Arrhenius

7. **Science Computation:** Be sure to recall the difference between molecular and ionic formulas. What is the **ionic** formula for glucose?

Answer: CH2O [read: C-H-2-O] (*moderator that is the **letter** O not a number*)

8. In the Book of Joshua, this city was encircled by Israelite priests for seven days while blowing ram's horn trumpets. On the seventh day, after marching seven times, its walls collapsed. It became the first Canaanite city conquered by the Israelites. Name this biblical city.

Answer: Jericho

9. It plays a central role in electrochemical reactions and is essential in processes such as conductivity in solutions and the formation of salts. This charged particle results from the unequal number of protons and electrons in an atom or molecule due to electron transfer. What is this fundamental particle of electric charge in chemical systems?

Answer: Ion (accept electrolytes)

10. This upcoming animated Star Wars series, set to release in 2026, is a continuation of a story first introduced in the Visions anthology. It centers on a young girl who becomes entangled in a struggle between Light and Dark while delivering lightsabers to scattered Force users. The original short was produced by the studio Production I.G. Name this spinoff series based on the 2021 animated episode of the same name.

Answer: *The Ninth Jedi*

11. This organization formed in 1886 focused on skilled workers and collective bargaining. It rejected the broad membership of the Knights of Labor and was long led by Samuel Gompers. Name this union federation that merged with the CIO in 1955.

Answer: American Federation of Labor (accept AFL)

12. This art movement emerged in the late 19th century as a reaction to Impressionism, with artists focusing more on structure, symbolic content, and personal expression. Figures associated with it include Vincent van Gogh, Paul Cézanne, and Paul Gauguin. What is this style that paved the way for modern art?

Answer: Post-Impressionism

13. This 2005 sports drama follows a high school basketball team facing challenges with crime and poverty in their community. Their season takes a turn when the coach benches the undefeated squad for poor grades. Starring Samuel L. Jackson, name this film.

Answer: *Coach Carter*

14. **Math Computation:** Rationalize the denominator of the fraction 14 / (3 + √2) [read: 14 over the quantity 3 plus radical 2 end quantity].

Answer: 6 - 2√2 [read: 6 minus 2 radical (square root) 2]

15. This knight is the only one in Arthurian legend deemed pure enough to complete the quest for the Holy Grail. The son of Lancelot and Elaine of Corbenic, he sees the Grail unveiled and is taken to heaven at the end of his journey. Name this flawless knight.

Answer: Sir Galahad

16. **Math Computation:** In point-slope form, state the equation of a line with a slope of 7 that passes through the point (5, 1) [read: 5 comma 1].

Answer: y - 1 = 7(x - 5) [read: y minus 1 equals 7 times the qunatity x minus 5 end quantity]

17. This type of organic acid contains a functional group composed of a carbon double-bonded to an oxygen and single-bonded to a hydroxyl group. These compounds are typically weak acids and are found in substances such as acetic acid and citric acid. What is this class of compounds with the general formula –COOH?

Answer: carboxylic acids

18. This concept in economics shows how two rational actors may choose strategies leading to worse outcomes than if they had cooperated. Economists often use it to explain competition between firms, such as price wars or advertising battles, where mutual cooperation would yield higher payoffs. Identify this scenario.

Answer: Prisoner's Dilemma (prompt on dilemma)

19. This system increases heart rate, dilates pupils, and redirects blood flow to muscles in response to perceived danger. It prepares the body for rapid action in stressful situations. What is this branch of the autonomic nervous system activated during the "fight-or-flight" response?

Answer: Sympathetic nervous system

20. This literary character is a young Puritan minister who secretly fathers a child with a woman condemned for adultery and suffers intense guilt while refusing to confess publicly. He physically deteriorates under the pressure of his hidden sin and is tormented by a vengeful physician posing as a friend. Identify this tormented clergyman in Nathaniel Hawthorne's *The Scarlet Letter*.

Answer: Arthur Dimmesdale

Moderator: (Check score with chief judge and scorekeeper.)
The score at the end of the first quarter is:
(school name) _____ has _____ points
(school name) _____ has _____ points
Coaches you may approach your team for 30 seconds to assist in any questions.
This is not a charged time out and this is not your substitution meeting. (Pause briefly for protests.)
Are there any questions?

Chief Judge: (Restate the score if they have changed because of protests.)

(In case of a tie after the first quarter) *Since the score is tied, we will continue with additional toss-up questions until one team scores.* (Restate the score if necessary)

2nd Quarter – Sixty Second Instructions

Moderator The second quarter of sixty second questions is about to begin. Everyone please be seated.
The categories for the 2nd quarter are: (Brief description)
1. SPORTS-2025- NFL DRAFT FIRST-ROUND PICKS
2. POP CULTURE- BILLBOARD TOP 100 HITS OF 1995
3. SOCIAL STUDIES- FAMOUS LANDMARKS AND THEIR COUNTRY

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

Because (school name) is ahead at this time, they will have the choice to play or defer until the 4th quarter.

- You will have 10 seconds to make your decision. (School name) do you choose to play or defer?
- (Address playing team) You will have 10 seconds to choose your category (re-read the above categories)
- (If the 10 second buzzer goes off, the moderator will ask for an immediate response.)
- Since (school name) is playing first, they may move to a position behind their captain. (Other team) will put down their pencils until their time to play. Captain, all answers will come from you unless you defer to another student.

Moderator (School name) You have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your choice.
The selections are:
1.
2.

Moderator (Check the score with the chief judge and score keeper.)
The score at the end of the first half is:
(School name) _____ has _____ points
(School name) _____ has _____ points.

Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charged time out. (Pause briefly for protests.)

This concludes the first half of play. We will pause for substitutions
Substituting team members, please check in with the scorekeeper. WE WILL NOW BEGIN 3RD QUARTER TOSS-UP QUESTIONS.

Sports: 2025 NFL Draft First-Round Picks

Directions: Given a player and his university at the time of the draft, name the NFL team that drafted him in April 2025. Each of the following were chosen during the first round. Players will be given according to the order in which they were drafted.

1. Cam Ward, Miami   (Tennessee) Titans

2. Travis Hunter, Colorado   (Jacksonville) Jaguars

3. Abdul Carter, Penn State   (New York) Giants

4. Will Campbell, LSU   (New England) Patriots

5. Mason Graham, Michigan   (Cleveland) Browns

6. Ashton Jeanty, Boise State   (Las Vegas) Raiders

7. Tetairoa McMillan, Arizona   (Carolina) Panthers

8. Colston Loveland, Michigan   (Chicago) Bears

9. Tyler Warren, Penn State   (Indianapolis) Colts

10. Shemar Stewart, Texas A&M   (Cincinnati) Bengals

Extras:

E1. Matthew Golden, Texas   (Green Bay) Packers

E2. Jaxson Dart, Ole Miss   (New York) Giants

Pop Culture: Billboard Top 100 Hits of 1995

Directions: Given the title of a Billboard Top 100 hit from 1995, name the artist.

1.	*Waterfalls*	TLC
2.	*Fantasy*	Mariah Carey
3.	*I Got 5 on It*	Luniz
4.	*Roll to Me*	Del Amitri
5.	*Candy Rain*	Soul for Real
6.	*This Is How We Do It*	Montell Jordan
7.	*I Know*	Dionne Farris
8.	*Kiss from a Rose*	Seal
9.	*Let Her Cry*	Hootie & the Blowfish
10.	*I Wanna Be Down*	Brandy

Extras:

E1.	*You Are Not Alone*	Michael Jackson
E2.	*Run-Around*	Blues Traveler

Social Studies: Famous Landmarks and their Country

Directions: Given a famous landmark, name the country where it is located.

1. Christ the Redeemer   Brazil

2. Petra   Jordan

3. Machu Picchu   Peru

4. Acropolis   Greece

5. Taj Mahal   India

6. Neuschwanstein Castle   Germany

7. Chichen Itza   Mexico

8. Table Mountain   South Africa

9. Hagia Sophia   Turkey

10. Mount Fuji   Japan

Extras:

E1. Stoclet House   Belgium

E2. Sagrada Família   Spain

Team 1   Team 2

21. These immune system proteins mistakenly target the body's own
cells and tissues, contributing to conditions like lupus and rheumatoid
arthritis. Produced in response to self-antigens, they can lead to chronic
inflammation and damage. What are these immune factors involved in
autoimmune diseases?

Answer: Autoantibodies (prompt on antibodies) (also accept self-
reactive antibodies)

22. This musical texture features two or more independent melodic lines
occurring simultaneously. Common in Renaissance and Baroque
compositions, it contrasts with homophonic textures where all parts
move together rhythmically. What is this type of texture exemplified in
fugues and canon?

Answer: Polyphonic (Accept: Polyphony)

23. This 1930 campaign protested British taxation by leading thousands
on a 240-mile trek from Sabarmati Ashram to the Arabian Sea. The act
of defiance sparked mass arrests and drew international attention to
India's independence movement. Name this nonviolent protest
organized by Mahatma Gandhi.

Answer: Mahatma <u>Gandhi</u>

24. This designation is used to describe a type of particle emission that
consists of two protons and two neutrons, identical to a helium nucleus.
It also refers to a hydrogen carbon position in organic chemistry, and a
form of secondary protein structure. What is this term used in nuclear
decay, molecular biology, and nomenclature?

Answer: Alpha

25. Invented in 1967, this small electronic instrument is played by touching a metal keyboard with a stylus, which completes an electrical circuit to produce sound. It gained fame after being used by artists like David Bowie in *Space Oddity*. What is the name of this compact, battery-powered synthesizer?

Answer: Stylophone

26. This novel, set in post–Civil War Florida, follows a boy growing up in a poor pioneer family who adopts a fawn after its mother is killed. The boy struggles with the responsibilities of adulthood, especially after the fawn begins to threaten the family's survival. Identify this Pulitzer Prize-winning work by Marjorie Kinnan Rawlings.

Answer: *The Yearling*

27. **Math Computation:** Find the value of C that makes the following quadratic equation a perfect square: $x^2 + 26x + C$ [read: x squared plus 26x plus C].

Answer: 169

28. This 1954 battle marked the end of French colonial rule in Indochina after a long siege by Viet Minh forces under General Vo Nguyen Giap. French troops were surrounded in a remote valley and forced to surrender, prompting the Geneva Accords. Name this decisive engagement of the First Indochina War.

Answer: Battle of Dien Bien Phu

29. **Math Computation:** Convert the base eight number 31 [read: three one] into a base ten number.

Answer: 25

30. On July 3, 2025, the U.S. House narrowly passed a $4.5 trillion package that extended Trump-era tax cuts, reduced Medicaid and food stamp funding, and invested in national defense. Republicans referred to this major second-term legislative win by what nickname frequently used by President Trump and Speaker Mike Johnson?

Answer: Big Beautiful Bill

31. This branch of mathematics includes the Jordan Curve Theorem and Brouwer's Fixed Point Theorem. It studies invariants under continuous maps, such as genus and orientability. Objects like the Möbius strip and torus are central examples in this field, which classifies spaces based on properties that remain unchanged by stretching or bending. Name this area of mathematics.

Answer: Topology

32. This Polynesian people arrived in New Zealand by canoe voyages around the 13th century, developing tribal groups known as iwi. They signed the 1840 Treaty of Waitangi with the British, though disputes over land and sovereignty followed. Identify this Indigenous group known for the haka and rich cultural traditions.

Answer: Maori

33. Often referring to the boundary where two different physical systems meet, this term can describe regions such as the heliopause, where the solar wind interacts with the interstellar medium. What is this concept used in both astronomy and physics to define points of interaction?

Answer: Interface

34. This 1985 comedy-mystery film stars Chevy Chase as an investigative reporter working undercover to expose a drug operation. His latest assignment takes a turn when a wealthy man offers him money to commit an unusual crime, leading to a tangled case full of disguises. Name this film.

Answer: *Fletch*

35. This novel follows a reclusive weaver who lives on the outskirts of the village of Raveloe after being falsely accused of theft and cast out by his religious community. His life changes when a young girl wanders into his cottage, and he decides to raise her as his own. Name this 1861 novel by George Eliot.

Answer: *Silas Marner*

36. **Science Computation:** A wave of wavelength 7.80 meters oscillates at 2.50 hertz. What is the speed of the wave in meters per second?

Answer: 19.5 (meters per second)

37. This story is told by a character who admits to preaching against greed while practicing it himself. In the tale, three men search for Death and instead find a pile of gold under a tree, which leads them to murder each other. Identify this tale from *The Canterbury Tales* by Geoffrey Chaucer.

Answer: *The Pardoner's Tale*

38. Located in Venezuela's Canaima National Park, this waterfall drops uninterrupted for 3,212 feet, making it the tallest in the world. It was named after an American aviator who first flew over it in 1933. Identify this natural landmark that plunges from Auyán-tepui.

Answer: <u>Angel</u> Falls

39. **Math Computation:** Solve for both x and y in the following system of equations: $y = x + 7$ [read: y equals x plus 7] and $3x - 2y = -5$ [read: 3x minus 2y equals negative 5].

Answer: $x = 9$ and $y = 16$ [accept: 9 comma 16]

40. This novel follows a middle school boy navigating his first real relationship with a girl named Melissa and dealing with his parents' announcement that they are expecting a new baby. Identify this humorous coming-of-age novel by Betsy Byars.

Answer: *The Burning Questions of Bingo Brown*

Moderator (Check score with chief judge and scorekeeper.)
The score at the end of the third quarter is:
    (school name) _____has_____ points
    (school name) _____has_____ points
Coaches you may approach your team for 30 seconds to assist in any questions.
This is not a charged time out and this is not your substitution meeting. (Pause briefly for protests.)
Are there any questions?

Chief Judge (Restate the score if they have changed because of protests.)

4th Quarter – Sixty Second Instructions

Moderator The fourth quarter of sixty second questions is about to begin. Everyone please be seated.
The categories for the 4th quarter are: (Brief description)
    1. MATH-TWO STEP INEQUALITIES
    2. SCIENCE-BONES AND THEIR SCIENTIFIC NAMES
    3. LITERATURE-LITERARY CHARACTERS AND THEIR AUTHORS

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begins now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

You will have 10 seconds to choose your category. (Active team) may move to a position behind the captain. (Other team) put down your pencils. Captain, all answers will come from you unless you defer to another student.

Moderator (School name) You will have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your selection.
The selections are:
    1.
    2.

Moderator (Check the score with the chief judge and score keeper) The score at the end of the game is:
    (School name)_____has_____points
    (School name)_____has_____points

Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charges time out.
(Restate the score if it has changed)

(If the game is tied, sudden death questions will be asked.)
Because the game is tied, sudden death toss-up questions will be asked. Would either team like to make substitutions? Again, this is not a time for coaches to confer with their team. (Pause for substitutions.)

Moderator This concludes the game. Congratulations to both teams. Please check your bracket
and move to the next round as quickly as possible.

OSSAA 2025-2026
DISTRICTS GAME 1
QUARTER 4
LIGHTNING ROUND
Math: Two-Step Inequalities

Directions: Solve the following two-step inequalities.

1. $-6x+24>36$ – Read as: "Negative six x plus twenty-four is greater than thirty-six." $x < -2$

2. $5x-40\leq60$ – Read as: "Five x minus forty is less than or equal to sixty." $x \leq 20$

3. $-4x+36>52$ – Read as: "Negative four x plus thirty-six is greater than fifty-two." $x < -4$

4. $7x+14\geq49$ – Read as: "Seven x plus fourteen is greater than or equal to forty-nine." $x \geq 5$

5. $-8x+72\leq16$ – Read as: "Negative eight x plus seventy-two is less than or equal to sixteen." $x \geq 7$

6. $9x-18>72$ – Read as: "Nine x minus eighteen is greater than seventy-two." $x > 10$

7. $-5x+25\leq50$ – Read as: "Negative five x plus twenty-five is less than or equal to fifty." $x \geq -5$

8. $10x+30\geq90$ – Read as: "Ten x plus thirty is greater than or equal to ninety." $x \geq 6$

9. $-3x+18>45$ – Read as: "Negative three x plus eighteen is greater than forty-five." $x < -9$

10. $4x-15\leq75$ – Read as: "Four x minus fifteen is less than or equal to seventy-five." $x \leq 22.5$ or $x \leq 45/2$

Extras:

E1. $-7x+28\geq42$ – Read as: "Negative seven x plus twenty-eight is greater than or equal to forty-two." $x \leq -2$

E2. $8x-32>48$ – Read as: "Eight x minus thirty-two is greater than forty-eight." $x>10$

Science: Bones and their Scientific Names

Directions: Given the common name of a bone, provide its scientific name.

1. Skull		Cranium (accept Ossa cranni)
2. Thigh bone		Femur
3. Collarbone		Clavicula
4. Shoulder blade		Scapula
5. Knee cap		Patella
6. Shin bone		Tibia
7. Calf bone		Fibula
8. Forearm bone (thumb side)		Radius
9. Forearm bone (pinky side)		Ulna
10. Upper arm bone		Humerus

Extras:

E1. Hip bone	Coxal bone, Os coxae
E2. Spine bone	Vertebra, Vertebrae

OSSAA 2025-2026
DISTRICTS GAME 1
QUARTER 4
LIGHTNING ROUND
Literature: Literary Characters and their Authors

Directions: Given the name of a popular literary character, name the author who created them.

1. Dr. Jekyll   Robert Louis <u>Stevenson</u>

2. Dr. Watson   Arthur Conan <u>Doyle</u>

3. Lenny Small   John <u>Steinbeck</u>

4. Miss Havisham   Charles <u>Dickens</u>

5. Raskolnikov   Fyodor <u>Dostoevsky</u>

6. Lady Chatterley   D.H. <u>Lawrence</u>

7. Sam Spade   Dashiell <u>Hammett</u>

8. Daisy Miller   Henry <u>James</u>

9. Randle P. McMurphy   Ken <u>Kesey</u>

10. Nick Bottom   William <u>Shakespeare</u>

Extras:

E1. Captain Ahab   Herman <u>Melville</u>

E2. Gregor Samsa   Franz <u>Kafka</u>

Extra Questions	**Team 1**	**Team 2**

E1. This literary character serves a fairy king and causes confusion by mistakenly enchanting the eyes of the wrong Athenian lover. He also transforms a weaver's head into that of a donkey and delivers the play's closing epilogue. Name this mischievous sprite from Shakespeare's *A Midsummer Night's Dream*.

Answer: Puck

E2. This monarch was restored to the French throne following the fall of Napoleon and again after the Hundred Days. He attempted to balance monarchical authority with revolutionary reforms during the Bourbon Restoration. Who was this king who reigned until his death in 1824?

Answer: Louis XVIII

E3. This Roman museum holds works such as Titian's *Sacred and Profane Love* and Caravaggio's *Boy with a Basket of Fruit*. It is especially noted for Gian Lorenzo Bernini's baroque sculptures, including *Apollo and Daphne* and *David*. Name this gallery established by a powerful 17th-century cardinal.

Answer: Galleria Borghese

E4. This fundamental interaction unifies the electromagnetic force with the weak nuclear force in a single theoretical framework. Predicted in the 1970s and confirmed by the discovery of W and Z bosons, it is described by the Standard Model of particle physics. Name this interaction.

Answer: Electroweak interaction (or Electroweak force)

E5. These organic compounds are characterized by a core structure of four fused carbon rings and are derived from cholesterol in animals. They function as hormones, signaling molecules, and structural components in cell membranes. What is the general term for this class of lipids that includes testosterone and estrogen?

Answer: Steroid(s) hormones

E6. This fundamental principle of microeconomics states that, holding all else constant, the quantity of a good offered by producers increases as its market price rises. It is typically illustrated by an upward-sloping curve and reflects the direct relationship between price and quantity supplied. What is this principle known as?

Answer: Law of Supply

E7. **Science Computation:** Combined with liquid oxygen in SpaceX's Starship, CH4 [read: C H 4] is commonly found in natural gas. Name this chemical.

Answer: Methane

E8. This literary character is known for his love of reading and often uses information he's memorized from books to help solve problems or escape danger. He is the middle child in a trio of siblings pursued by a villain who wants to steal their family fortune. Identify this bespectacled researcher from Lemony Snicket's *A Series of Unfortunate Events*.

Answer: Klaus Baudelaire

E9. This composer was appointed organist at Westminster Abbey in
1679 and later served the Chapel Royal. He incorporated French
and Italian elements into English music and composed extensively
for the stage. Name this Baroque composer of *Dido* and *Aeneas*
and music for *The Fairy Queen* and *King Arthur*.

Answer: Henry Purcell

E10. This 1985 drama was directed by Joel Schumacher. It follows
a tight-knit group of recent college graduates adjusting to life and
work in Washington, D.C. The ensemble includes Rob Lowe and
Demi Moore, and its hit title song was performed by John Parr.
Name this film.

Answer: *St. Elmo's Fire*

2025-2026

OSSAA DISTRICT CHAMPIONSHIP

High School

GAME 2

Welcome to the Oklahoma Secondary School Activities Association Academic Bowl. You have previously been instructed regarding the rules. Please turn off all cell phones, tablets, or any device that can receive or send messages. Coaches, team members, and guests are to sit behind their team. Coaches, your protests need to be at the allowed times.

- Introduce yourself and the chief judge.
- **Give your four count.** – <u>Do this for *every* match (Game Procedures A – 11)</u>
- Have the chief judge check the buzzers.

Note (do not read):

Official closest to scorekeeper: Make sure that scorekeeper has **full names** of students and check after first few questions that they are fully shading in correct answers, and marking correct answers only.

Official closest to timekeeper: Make sure the timekeeper is starting the clock and clearing for the first few questions.

Team 1 **Team 2**

1. On June 18th, 2025, the Supreme Court made this landmark decision upholding Tennessee's ban on gender-affirming care for minors. In a 6–3 ruling, the Court applied rational basis review under the Equal Protection Clause. Name this case.

Answer: United States v. Skrmetti

2. This property of a solution is defined by having a hydrogen ion concentration greater than that of pure water and a pH value below 7. Substances with this characteristic can react with metals and carbonates and often cause indicators like litmus to turn red. What is this descriptor used for solutions with high proton activity?

Answer: acidic (accept acid)

3. This form of government is led by elected officials rather than a hereditary monarch and was first established in ancient Rome. Contrasting with a democracy, where all citizens may vote directly on laws, this system places governing authority in the hands of representatives. Name this political structure in which the head of state is not a monarch.

Answer: Republic

4. This literary character is a self-important beadle who oversees a parish workhouse and enforces strict rules on the poor under his care. He is outraged when a young orphan asks for more food and later marries Mrs. Corney, losing his position and status. Identify this officious figure from Charles Dickens' *Oliver Twist*.

Answer: Mr. Bumble

5. Set primarily at the headquarters of a fictional NBC sketch comedy show, this sitcom aired from 2006 to 2013. It was created by and stars Tina Fey, alongside Alec Baldwin and Tracy Morgan, and is known for its fast-paced humor and behind-the-scenes satire. What is this series?

Answer: *30 Rock*

6. This chemical property can be used to predict the type of bond that will form between two atoms. It is highest for fluorine, and its values are commonly assigned based on the Pauling scale. What is this property that measures an atom's tendency to attract electrons in a chemical bond?

Answer: Electronegativity

7. This novel features a surprise attack by Japan on U.S. forces in the Pacific, the assassination of the president, and a final shocking act in which a commercial airliner is used as a weapon against the U.S. Capitol. It ends with the protagonist being sworn in as president. Name this 1994 political thriller by Tom Clancy featuring Jack Ryan.

Answer: *Debt of Honor*

8. This classic sitcom follows the life of a housewife who frequently becomes entangled in her husband's comedic situations. Known for iconic episodes like the chocolate factory assembly line, it stars Lucille Ball and Desi Arnaz. What is this series?

Answer: *I Love Lucy*

9. This novel alternates between the perspectives of a modern teenager named Brennan and a 19th-century Apache boy named Coyote Runs. After discovering a skull during a camping trip near El Paso, Brennan experiences a spiritual connection that leads him on a solo journey through the desert. Name this 1990 novel by Gary Paulsen.

Answer: *Canyons*

10. This term describes processes or regions where reduction occurs during electrochemical reactions. It is often associated with protection techniques in which a metal surface is made the site of electron gain to prevent corrosion. What is this term related to the electrode where cations are reduced?

Answer: Cathodic (also accept cathode)

11. **Science Computation:** What is the molecular formula for sulfuric acid?

Answer: H2SO4 [read: H-2-S-O-4] (*moderator: this is the letter O not a zero*)

12. This treaty was signed in 1955 as a direct response to the rearmament of West Germany and its admission into NATO. It established a unified military command under Soviet leadership and included nations such as Czechoslovakia, Romania, and Bulgaria. What is this collective defense agreement named for the capital city in which it was signed?

Answer: Warsaw Pact (prompt on Warsaw)

13. **Math Computation:** Twin primes have a difference of 2, like 5 and 7. How many pairs of twin primes are there from 10 to 30?

Answer: 2

14. This military leader served as Prime Minister during much of World War II and was a key architect of his country's aggressive expansion across East Asia. He authorized the attack on Pearl Harbor and was later tried and executed for war crimes. Name this general from Imperial Japan.

Answer: Hideki <u>Tojo</u>

15. **Math Computation:** Simplify the following and put your answer in A + B i form: (5 - 2i) - (3 - 8i) [read: the quantity 5 minus 2i end quantity minus the quantity 3 minus 8i end quantity].

Answer: 2 + 6i

16. This computational technique uses repeated random sampling to obtain numerical results, often for solving problems with many variables or probabilistic elements. It is widely used in statistical physics, finance, and risk analysis. Name this method named for a European principality.

Answer: Monte Carlo simulation (prompt on Monte Carlo)

17. In Greek mythology, this Titaness was the daughter of Uranus and Gaea and the personification of memory. She was the mother of the nine Muses, whom she bore after uniting with Zeus. Name this goddess.

Answer: Mnemosyne (*moderator: pronounced* **neh**-*mow-zeen but accept all reasonable pronunciations from students*)

18. This novel begins with the geological formation of islands and progresses through the arrival of Polynesians, missionaries from New England, and Asian immigrants. It includes fictionalized portrayals of figures like Abner Hale, based on real-life missionary Hiram Bingham, and explores the cultural blending that shaped the 50th U.S. state. Name this 1959 historical epic by James A. Michener.

Answer: *Hawaii*

19. This social theory applied a biological concept to human societies, suggesting that competition and natural selection justified class stratification and imperialism. It was influenced by Herbert Spencer's interpretation of evolutionary ideas rather than those of Charles Darwin himself. What is this 19th-century theory that used "survival of the fittest" to justify inequality?

Answer: Social Darwinism (prompt on Darwinism)

20. **Math Computation:** Determine the equation of the vertical asymptote of the function $f(x) = (x + 5) / (x - 5)$ [read: F of x equals the quantity x plus 5 end quantity over the quantity x minus 5 end quantity].

Answer: $x = 5$

Moderator: (Check score with chief judge and scorekeeper.)
The score at the end of the first quarter is:
(school name) _____ has _____ points
(school name) _____ has _____ points
Coaches you may approach your team for 30 seconds to assist in any questions.
This is not a charged time out and this is not your substitution meeting. (Pause briefly for protests.)
Are there any questions?

Chief Judge: (Restate the score if they have changed because of protests.)

(In case of a tie after the first quarter) *Since the score is tied, we will continue with additional toss-up questions until one team scores.* (Restate the score if necessary)

<center>2nd Quarter – Sixty Second Instructions</center>

Moderator The second quarter of sixty second questions is about to begin. Everyone please be seated.
The categories for the 2nd quarter are: (Brief description)
1. SOCIAL STUDIES-PRESIDENTS BY HISTORICAL EVENT
2. POP CULTURE- 1995 MOVIES
3. FINE ARTS-CURSED GREEK MYTHOLOGICAL FIGURES
Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begin now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

Because (school name) is ahead at this time, they will have the choice to play or defer until the 4th quarter.

- You will have 10 seconds to make your decision. (School name) do you choose to play or defer?
- (Address playing team) You will have 10 seconds to choose your category (re-read the above categories)
- (If the 10 second buzzer goes off, the moderator will ask for an immediate response.)
- Since (school name) is playing first, they may move to a position behind their captain. (Other team) will put down their pencils until their time to play. Captain, all answers will come from you unless you defer to another student.

Moderator (School name) You have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your choice.
The selections are:
1.
2.

Moderator (Check the score with the chief judge and score keeper.)
The score at the end of the first half is:
(School name) _____ has _____ points
(School name) _____ has _____ points.

Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charged time out. (Pause briefly for protests.)

This concludes the first half of play. We will pause for substitutions
Substituting team members, please check in with the scorekeeper. WE WILL NOW BEGIN 3RD QUARTER TOSS-UP QUESTIONS.

Social Studies: Presidents by Historical Event

Directions: Given a historical event, name the sitting U.S. President at the time of the event.

1. Yalta Conference   Franklin D. Roosevelt (accept FDR)

2. Bay of Pigs Invasion   John F. Kennedy (accept JFK)

3. Family and Medical Leave Act   Bill Clinton

4. Roe v. Wade   Richard Nixon

5. Interstate Highway System   Dwight D. Eisenhower

6. Louisiana Purchase   Thomas Jefferson

7. Panama Canal Zone   Theodore "Teddy" Roosevelt (prompt)

8. Watergate Scandal   Gerald Ford

9. Camp David Accords   Jimmy Carter

10. Iran-Contra Affair   Ronald Reagan

Extras:

E1. Homeland Security Department   George W. Bush (prompt on Bush)

E2. Affordable Care Act   Barack Obama

Directions: Given a brief description, identify the following movies released in 1995.

1. Brad Pitt and Morgan Freeman track a serial killer using the seven deadly sins.   *Se7en*

2. Tom Hanks voices a toy who comes to life in the first full-length CGI animated film.   *Toy Story*

3. Mel Gibson stars as a Scottish warrior leading a rebellion against England.   *Braveheart*

4. Kevin Spacey stars in a thriller where a group of criminals plan a heist, and one hides a dark secret.   *The Usual Suspects*

5. Tom Hanks portrays an astronaut fighting for survival after a space mission failure.   *Apollo 13*

6. Robert De Niro and Al Pacino face off in a high-stakes battle between a cop and a thief.   *Heat*

7. Pierce Brosnan makes his debut as James Bond in this action-packed adventure.   *GoldenEye*

8. Val Kilmer plays Batman, facing off against The Riddler and Two-Face.   *Batman Forever*

9. Robert De Niro and Sharon Stone star in this crime drama about the rise and fall of a Las Vegas empire.   *Casino*

10. Alicia Silverstone stars in this teen comedy about a high school girl trying to play matchmaker.   *Clueless*

Extras:

E1. Bruce Willis returns as NYPD officer John McClane, stopping terrorists in New York.   *Die Hard with a Vengeance*

E2. Robin Williams voices a magical board game that traps players in a dangerous world.   *Jumanji*

Fine Arts: Cursed Greek Mythological Figures

Directions: Given a brief description, name the Greek mythological figure who has been cursed by the gods.

1. Challenged Athena in weaving and was turned into a spider.   Arachne

2. Served his son to the gods and suffers eternal hunger and thirst.   Tantalus

3. Forced to push a boulder uphill forever.   Sisyphus

4. Stole fire for humans and was chained while an eagle ate his liver.   Prometheus

5. Fell in love with his own reflection and wasted away into a flower.   Narcissus

6. Cursed with snakes for hair and turned onlookers to stone.   Medusa

7. Detained Odysseus for years, cursed with endless longing.   Calypso

8. Titan condemned to hold up the sky forever.   Atlas

9. Cursed to only repeat others' words.   Echo

10. Phrygian king whose wish turned all he touched into gold.   King Midas

   Extras:

E1. Prayed to escape Apollo and was turned into a laurel tree.   Daphne

E2. Served Zeus human flesh and was turned into a wolf.   Lycaon

Team 1   Team 2

21. This 2015 science fiction film is set in Johannesburg, where a police   _____   _____
droid gains sentience after being reprogrammed by a scientist. The title
character is raised by gangsters played by members of Die Antwoord,
while Hugh Jackman portrays the antagonist. Identify this film directed
by Neill Blomkamp.

Answer: *Chappie*

22. This American battleship exploded in Havana Harbor in 1898, killing   _____   _____
over 260 crew members. The incident fueled public support for war
against Spain, though the cause of the explosion remains disputed.
What is the name of this ship whose sinking helped ignite the Spanish-
American War?

Answer: USS Maine (prompt on Maine)

23. This type of bond forms between two amino acids when the carboxyl   _____   _____
group of one reacts with the amino group of another. It is a covalent
bond that releases a molecule of water and is essential in forming the
primary structure of proteins. What is this chemical bond that links amino
acids together in proteins?

Answer: Peptide bond

24. On September 6, 2025, a U.S. executive order restored the historical   _____   _____
name of a federal agency first created in 1789 and renamed in 1947.
Secretary Pete Hegseth unveiled a new emblem, and signage across 50
countries will be updated. What name replaced "Department of Defense"
in this rebranding?

Answer: Department of War

25. This city, whose name means "foundation of peace," was captured by King David and later became the site of the First and Second Temples. It was a focal point during the Crusades and remains sacred to three major world religions. What is this city that is home to the Western Wall, the Dome of the Rock, and the Church of the Holy Sepulchre?

Answer: Jerusalem

26. This American artist began as an illustrator for *Harper's Weekly* during the Civil War, later gaining fame for his depictions of rural life and seascapes. His oil paintings include *Snap the Whip*, while his watercolors such as *The Gulf Stream* remain celebrated. Identify this 19th-century realist painter.

Answer: Winslow <u>Homer</u>

27. These substances are defined in chemistry by their ability to donate protons in a reaction. When they lose a proton, they form conjugate bases. Unlike the narrower Arrhenius definition, this concept applies in non-aqueous solutions as well. Identify this class of acids described in 1923.

Answer: <u>Brønsted-Lowry</u> acids

28. This author served as a radio operator and copilot during flights with her husband, including a record-setting trip to Asia in 1931. She was the first licensed female glider pilot in the U.S. and wrote extensively about aviation and solitude. Her best-known work, *Gift from the Sea*, became a bestseller in 1955. Name this American aviator and author.

Answer: <u>Anne</u> Spencer Morrow <u>Lindbergh</u> (prompt on Lindbergh)

29. Math Computation: Use the method involved with factoring a difference of squares to find 69 squared minus 67 squared.   _____ _____

Answer: 272

30. This constellation is easily recognized by three aligned stars forming a distinctive belt. It contains Betelgeuse, a red supergiant, and Rigel, a blue supergiant. Prominent in the night sky during winter, it is associated in Greek mythology with a great hunter. Name this constellation.   _____ _____

Answer: Orion

31. This novel follows a young African American boy in the rural South whose father is arrested for stealing food to feed their family. After the arrest, the family's loyal hunting dog is shot and disappears, but eventually returns scarred and silent. Name this 1969 novel by William H. Armstrong.   _____ _____

Answer: *Sounder*

32. Math Computation: Determine the exact value of the tangent of 765 degrees.   _____ _____

Answer: 1

33. This author was born in 1928 in North Carolina and studied at Queens College in Charlotte before becoming a full-time writer in the 1960s. She wrote over sixty books for children and won the Newbery Medal in 1971. Identify this American author of *The Summer of the Swans*.   _____ _____

Answer: Betsy Byars

34. **Math Computation:** Determine the value of 8 cubed.   _____ _____

Answer: 512

35. This movement began in Jamaica during the 1930s and was   _____ _____
strongly influenced by the teachings of Marcus Garvey, who urged
people of African descent to look to Africa for redemption. Its followers
often wear dreadlocks and honor Haile Selassie of Ethiopia as a divine
figure. Name this religion.

Answer: Rastafarianism

36. This author was born on a plantation near Natchez, Mississippi, in   _____ _____
1908 and moved to Chicago in 1927, where he later joined the
Communist Party. He worked as the Harlem editor for the Daily Worker
and gave the keynote address at the first National Negro Congress in
1936. Name this author of *Native Son* and *Black Boy*.

Answer: Richard <u>Wright</u>

37. **Math Computation:** Solve for both x and y in the following system   _____ _____
of equations: $y = x + 4$ [read: y equals x plus 4] and $3x - y = 2$ [read: 3x
minus y equals 2].

Answer: $x = 3$ and $y = 7$ [accept: 3 comma 7]

38. This stringed instrument produces sound by turning a crank that   _____ _____
rotates a rosined wheel against the strings, functioning like a mechanical
violin bow. Melodies are played on a keyboard that presses tangents
against the strings, while drone strings provide continuous harmony.
What is this medieval instrument known for its buzzing bridge and crank
mechanism?

Answer: Hurdy-Gurdy

39. This social and political system dominated medieval Europe, where land was exchanged for military service and loyalty. It featured a rigid hierarchy with kings granting land to nobles, who then had vassals and serfs working their estates. Name this decentralized system of governance based on mutual obligations between lords and vassals.

Answer: Feudalism

40. This vascular layer of the eye lies between the retina and the sclera and contains connective tissue and blood vessels that supply nutrients and oxygen to the outer retina. It also helps absorb excess light to prevent reflection within the eye. What is this part of the uveal tract?

Answer: Choroid

Moderator	*(Check score with chief judge and scorekeeper.)*
	The score ot the end of the third quorter is:
	    (school name) _____ *has* _____ *points*
	    (school name) _____ *has* _____ *points*
	 Cooches you may approach your teom for 30 seconds to assist in any questions.
	This is not a charged time out and this is not your substitution meeting. (Pouse briefly for protests.)
	Are there any questions?

Chief Judge	*(Restate the score if they hove changed becouse of protests.)*

4th Quarter – Sixty Second Instructions

Moderator	*The fourth quarter of sixty second questions is about to begin. Everyone please be seated.*
	The categories for the 4th quarter are: (Brief description)
	    1. MATH-ROMAN NUMERALS
	    2. SCIENCE-ELEMENTAL SPELLING
	    3. LITERATURE-NPR TOP 100 BEST TEEN NOVELS

Teams, you moy huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leove all paper and pencils at your table during this huddle. Your 30 seconds begin now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

You will have 10 seconds to choose your category. (Active teom) may move to a position behind the captain. (Other team) put down your pencils. Captain, all answers will come from you unless you defer to another student.

Moderator	*(School nome) You will have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your selection.*
	The selections are:
	    1.
	    2.

Moderator	*(Check the score with the chief judge and score keeper) The score at the end of the game is:*
	    (School name) _____ *has* _____ *points*
	    (School name) _____ *has* _____ *points*

Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charges time out.
(Restate the scare if it has changed)

(If the game is tied, sudden death questians will be asked.)
Because the game is tied, sudden death toss-up questions will be asked. Would either team like to make substitutions? Again, this is not a time for coaches to confer with their team. (Pause for substitutions.)

Moderator	This concludes the game. Congratulations to both teams. Please check your bracket *and move to the next round as quickly as possible.*

Directions: Given a number in standard Arabic form, give the corresponding roman numeral.

1. 38   XXXVIII

2. 87   LXXXVII

3. 40   XL

4. 90   XC

5. 400   CD

6. 900   CM

7. 49   XLIX

8. 99   XCIX

9. 444   CDXLIV

10. 2024   MMXXIV

Extras:

E1. 1987   MCMLXXXVII

E2. 1666   MDCLXVI

Science: Elemental Spelling

Directions: Given elements on the periodic table, give the **word** spelled by their chemical symbols. Example: If I say "Actinium Neon", the answer would be: AcNe

1. Astatine Lanthanum Nitrogen Tantalum   AtLaNTa

2. Beryllium Argon Sulfur   BeArS

3. Fluorine Iodine Rhenium   FIRe

4. Molybdenum Titanium Oxygen Nitrogen   MoTiON

5. Osmium Molybdenum Silicon Sulfur   OsMoSiS

6. Sulfur Phosphorus Americium   SPAm

7. Tungsten Astatine Carbon Hydrogen   WAtCH

8. Yttrium Argon Nitrogen   YArN

9. Carbon Helium Erbium Sulfur   CHeErS

10. Americium Iodine Sulfur Hydrogen   AmISH

Extras:

E1. Francium Actinium Titanium Oxygen Nitrogen   FrAcTiOn

E2. Iodine Rhenium Lanthanum Neodymium   IReLaNd

Literature: NPR Top 100 Best Teen Novels

Directions: Given the following works in NPR's Top 100 best teen novel list, name the author.

1. *The Catcher in the Rye*   J.D. <u>Salinger</u>

2. *Fahrenheit 451*   Ray <u>Bradbury</u>

3. *The Giver*   Lois <u>Lowry</u>

4. *The Outsiders*   S.E. <u>Hinton</u>

5. *The Golden Compass*   Philip <u>Pullman</u>

6. *Divergent*   Veronica <u>Roth</u>

7. *Paper Towns*   John <u>Green</u>

8. *City of Bones*   Cassandra <u>Clare</u>

9. *Flowers for Algernon*   Daniel <u>Keyes</u>

10. *Twilight*   Stephenie <u>Meyer</u>

Extras:

E1. *Uglies*   Scott <u>Westerfeld</u>

E2. *The Absolutely True Diary of a Part-Time Indian*   Sherman <u>Alexie</u>

Extra Questions	**Team 1**	**Team 2**

E1. This legendary king of Athens was said to be the son of the earth goddess Gaea and was sometimes described as half-serpent. He was associated with the establishment of the Panathenaic festival and was honored with a temple on the Acropolis. Name this ruler.

Answer: Erechtheus

E2. According to one definition, these substances increase the concentration of hydroxide ions in aqueous solution. Another model defines them as proton acceptors. They can also neutralize acids in reactions, producing salts and water. Identify this class of compounds that includes sodium hydroxide and ammonia.

Answer: Base(s)

E3. Married to Henry VI, this queen consort played a leading role in the Lancastrian cause during the Wars of the Roses. She led forces in battle, arranged political alliances, and suffered defeat at Tewkesbury. Who was this influential figure in 15th-century English politics?

Answer: Margaret of Anjoy

E4. This literary character is a cruel plantation owner who purchases the title figure after his previous owner's death and inflicts brutal punishments on his slaves. He is eventually defied by a slave named Cassy and is haunted by guilt after one of his victims forgives him. Name this antagonist from Harriet Beecher Stowe's *Uncle Tom's Cabin*.

Answer: Simon Legree

E5. This physical quantity measures the number of complete oscillations or cycles that occur in a wave per unit time. It is inversely proportional to wavelength and directly related to energy in electromagnetic radiation. What is this quantity typically measured in hertz?

Answer: Frequency

E6. This literary character is a former army doctor wounded at the Battle of Maiwand who becomes the loyal companion and biographer of a consulting detective. He often serves as the narrator of their cases, including *The Hound of the Baskervilles* and *A Study in Scarlet*. Name this close associate of Sherlock Holmes.

Answer: John Watson

E7. This international agreement, signed in 1997, aimed to limit the spread of nuclear weapons by restricting the number of nuclear warheads possessed by signatory countries. It was renewed and extended multiple times, becoming a cornerstone of global arms control. What is this treaty that includes countries like the U.S. and Russia?

Answer: Treaty on the Non-Proliferation of Nuclear Weapons (also accept NPT or Non-Proliferation Treaty)

E8. **Math Computation:** Subtract Euler's number from the mathematical constant pi. Recall the value of e is approximately 2.71828 and the value of pi is approximately 3.14159. Include five decimal places in your answer.

Answer: 0.42331

E9. For around 25 years, this airport has been ranked as the world's busiest, and is also the headquarters for Delta Airlines. Provide the complete, 5-word name of this airport with abbreviation "ATL", located in Georgia, United States.

Answer: Hartsfield-Jackson Atlanta International Airport [prompt on incomplete answers]

E10. In Greek mythology, these people lived on an island where eating a certain plant caused forgetfulness and apathy toward returning home. Odysseus's men who tasted it lost all desire to continue their journey. Name these inhabitants encountered during his voyage.

Answer: Lotus-Eater

2025-2026

OSSAA DISTRICT CHAMPIONSHIP

High School

GAME 3

Welcome to the Oklahoma Secondary School Activities Association Academic Bowl. You have previously been instructed regarding the rules. Please turn off all cell phones, tablets, or any device that can receive or send messages. Coaches, team members, and guests are to sit behind their team. Coaches, your protests need to be at the allowed times.

.

- Introduce yourself and the chief judge.
- **Give your four count.** – Do this for *every* match (Game Procedures A – 11)
- Have the chief judge check the buzzers.

Note (do not read):

Official closest to scorekeeper: Make sure that scorekeeper has **full names** of students and check after first few questions that they are fully shading in correct answers, and marking correct answers only.

Official closest to timekeeper: Make sure the timekeeper is starting the clock and clearing for the first few questions.

	Team 1	Team 2

1. **Math Computation:** Convert an angle of 5pi/18 radians to degrees and reduce completely.

Answer: 50

2. These structures consist of repetitive nucleotide sequences that protect chromosome ends from degradation or fusion. They shorten with each cell division, a process linked to cellular aging.. Identify these protective caps of eukaryotic chromosomes.

Answer: Telomeres

3. This literary character is a parody of overly sensitive writers, constantly insisting on the originality of his work while reacting defensively to even mild criticism. He appears in a play centered around rival playwrights and theatrical satire, where he serves as a thinly veiled caricature of dramatist Richard Cumberland. Name This literary character from *The Critic* by Richard Brinsley Sheridan.

Answer: Sir Fretful <u>Plagiary</u>

4. This Latin term refers to a principle of nationality law under which a person acquires citizenship by being born within a state's territory, regardless of parental citizenship. Contrasted with *jus sanguinis*, it underlies birthright citizenship in countries like the United States and Canada. Name this doctrine meaning "right of the soil"?

Answer: Jus soli

5. **Math Computation:** Triangles ABC and DEF are similar. If angle A is 47.4 degrees and angle B is 104.5 degrees, determine angle F.

Answer: 28.1 degrees

6. This solid forms when two soluble ionic substances are mixed and produce an insoluble product that separates from solution. It often appears as a cloudy or grainy substance and can be removed by filtration. What is the term for this type of solid formed in a double displacement reaction?

Answer: Precipitate

7. This novel fictionalizes the lives of Jean-Baptiste Lamy and Joseph Machebeuf as it follows Father Jean Marie Latour and Father Joseph Vaillant, who travel from Ohio to the New Mexico Territory to establish a Catholic diocese. It depicts their encounters with Native American, Mexican, and settler communities over several decades. Name this 1927 novel by Willa Cather.

Answer: *Death Comes for the Archbishop*

8. Formulated in the early 17th century, this law states that a line connecting a planet to the Sun sweeps out equal areas in equal intervals of time, meaning a planet moves faster when it is closer to the Sun. What is this orbital law named for a German astronomer?

Answer: Kepler's Second Law of Planetary Motion

9. This 1975 adventure film, written and directed by John Milius, is loosely based on the 1904 kidnapping of Ion Perdicaris in Morocco. It stars Sean Connery as Berber chieftain Mulay Ahmed er Raisuli and Candice Bergen as the kidnapped American woman. President Theodore Roosevelt sends forces to intervene. Name this film.

Answer: *The Wind and the Lion*

10. In this 2006 novel, Jack Reacher is hired to investigate the kidnapping of a woman and her daughter in New York City. He traces the crime back to a former mercenary unit with ties to a war in Africa. Name this Lee Child novel in which Reacher uncovers the truth behind Edward Lane's private army.

Answer: *The Hard Way*

11. This large, flat grassland typically exists in temperate climates with low rainfall and few trees. These regions are ideal for grazing and include areas like the Kazakh plains and the Eurasian interior. What is this type of biome often found between deserts and forests?

Answer: Steppe

12. **Math Computation:** A $2600 savings account earns 15% interest. How much will be in the account after 1 year if it is compounded annually?

Answer: $2990.00

13. On August 21, 2025, this Tennessee-based restaurant chain unveiled its fifth logo redesign, dropping the man leaning on a container and the words "Old Country Store." The simplified gold emblem sparked backlash from longtime customers, and the company has since reverted to its previous logo design.

Answer: Cracker Barrel

14. This laboratory vessel features a flat base, conical body, and narrow neck, allowing contents to be mixed by swirling without risk of spilling. Invented in 1860 by a German chemist, it is commonly used for titrations and heating solutions. Name this widely used piece of glassware.

Answer: Erlenmeyer Flask (also accept conical flask)

15. This practice was expanded in Europe during the Napoleonic Wars and later used extensively during World War I to meet military manpower demands. It requires citizens, typically men of a certain age, to serve in the armed forces. What is the term for this compulsory enlistment system?

Answer: Conscription (Also accept: The Draft)

16. This American singer-songwriter wrote and performed many jingles early in his career, including "Like a Good Neighbor" for State Farm. He went on to sell over 85 million records worldwide and is known for *Mandy, Copacabana,* and *Can't Smile Without You.* Name this performer.

Answer: Barry Manilow

17. Consisting of multiple tubes of gradually increasing length, this ancient wind instrument produces different pitches by blowing across the tops of the pipes. It is named after a Greek god and has been used in traditional music from South America to Eastern Europe. What is this instrument, often made of wood or reed?

Answer: Panpipes

18. This literary character is known for his obsequious manner and frequent insistence that he is "'umble." He works as a clerk for Mr. Wickfield and manipulates his employer while plotting to gain control of his business. His schemes are eventually exposed by the title character of the novel. Name this antagonist from Charles Dickens's *David Copperfield*.

Answer: Uriah <u>Heep</u>

19. This region once hosted prehistoric lakes like Lake Chad's ancestor, Megachad, and today contains volcanic massifs such as the Tibesti Mountains. Covering about 3.6 million square miles across eleven countries, it is the world's largest hot desert. Identify this African desert home to the Tuareg and Berbers.

Answer: <u>Sahara</u> Desert

20. **Math Computation:** Use the method involved with factoring a difference of squares to find 51 squared minus 7 to the fourth power.

Answer: 200

Moderotor: (Check score with chief judge and scorekeeper.)
The score at the end of the first quarter is:
(school name)_____has_____ paints
(school name)_____has_____ points
Coaches you moy approach your team for 30 seconds to assist in any questions.
This is not a charged time out ond this is not your substitution meeting. *(Pause briefly for protests.)*
Are there any questions?

Chief Judge: *(Restate the score if they have changed becouse of protests.)*

(In case of a tie after the first quarter) **Since the score is tied, we will continue with odditional toss-up questions until one team scores.** *(Restate the score if necessary)*

2ⁿᵈ Quarter – Sixty Second Instructions

Moderator The second quarter of sixty second questions is about to begin. Everyone please be seated.
The categories for the 2ⁿᵈ quarter are: *(Brief description)*
  1. POP CULTURE- 2025 GRAMMY WINNERS
  2. POP CULTURE-BRUCE WILLIS MOVIES
  3. SOCIAL STUDIES- BUSINESS AND FINANCE TERMS

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave all paper and pencils at your table during this huddle. Your 30 seconds begin now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captains for this round.

Because (school name) is ahead at this time, they will have the choice to play or defer until the 4ᵗʰ quarter.

- You will have 10 seconds to make your decision. (School name) do you choose to play or defer?
- (Address playing team) You will have 10 seconds to choose your category (re-read the above categories)
- (If the 10 second buzzer goes off, the moderator will ask for an immediate response.)
- Since (school name) is playing first, they may move to a position behind their captain. (Other team) will put down their pencils until their time to play. Captain, all answers will come from you unless you defer to another student.

Moderator (School name) You have your choice of the two remaining categories. (Other team) put down your pencils. (Active school) may move to a position behind your captain. You will have 10 seconds to make your choice.
The selections are:
1.
2.

Moderator (Check the score with the chief judge and score keeper.)
The score at the end of the first half is:
(School name)_____has _____points
(School name)_____has_____points.

Are there any questions? Coaches you may approach your team for 30 seconds to assist in any questions. This is not a charged time out. *(Pause briefly for protests.)*

This concludes the first half of play. We will pause for substitutions
Substituting team members, please check in with the scorekeeper. **WE WILL NOW BEGIN 3ᴿᴰ QUARTER TOSS-UP QUESTIONS.**

OSSAA 2025-2026
DISTRICTS GAME 3
QUARTER 2
LIGHTNING ROUND
Pop Culture: 2025 Grammy Winners

Directions: Given a major award category from the 2025 Grammy Awards, name the winning artist.

1. Album of the Year for *Cowboy Carter* — Beyoncé

2. Record of the Year for *Not Like Us* — Kendrick Lamar

3. Song of the Year for *Deliver* — Iman Jordan

4. Best New Artist — Chappell Roan

5. Best Pop Vocal Album for *Short n' Sweet* — Sabrina Carpenter

6. Producer of the Year, Non-Classical — Daniel Nigro

7. Best Rock Album for *The Record* — Boygenius

8. Best R&B Performance for *On My Mama* — Victoria Monét

9. Best Rap Album for *Utopia* — Travis Scott

10. Best Country Album for *Deeper Well* — Kacey Musgraves

Extras:

E1. Best Music Video for *What Was I Made For?* — Billie Eilish

E2. Dr. Dre Global Impact Award — Alicia Keys

Pop Culture: Bruce Willis Movies

Directions: Given the description, name the Bruce Willis movie.

1. Former cop battles terrorists in a Los Angeles skyscraper at Christmas. *Die Hard*

2. Two hitmen, a boxer, and a briefcase collide in this Tarantino crime film. *Pulp Fiction*

3. A child psychologist treats a boy who says he sees dead people. *The Sixth Sense*

4. A convict is sent back in time to stop a deadly virus outbreak. *12 Monkeys*

5. A cab driver helps a mysterious woman save the world in 23rd-century New York. *The Fifth Element*

6. Russ Duritz magically meets himself as a young boy *The Kid*

7. An indestructible man survives a train crash and learns his true nature. *Unbreakable*

8. Retired CIA operatives are hunted by the government. *RED*

9. A dying assassin seeks revenge and redemption in a gritty, black-and-white noir metropolis. *Sin City*

10. A cop investigates a secret society that stages deadly games in a remote jungle. *Survive the Game*

Extras:

E1. Harry leads a team of oil drillers on a mission to destroy an asteroid before it hits earth. *Armageddon*

E2. Two men face off in a time travel loop as one is hired to kill his future self. *Looper*

Social Studies: Business and Finance Terms

Directions: Given the first letter and a brief description, name the business or finance term.

1. S; A share in the ownership of a company — Stock

2. C; Two words for the profit from the sale of an asset — Capital Gain

3. D; Spreading investments to reduce risk — Diversification

4. P; The original amount of money invested or loaned — Principal

5. D; Distribution of a portion of earnings to shareholders — Dividend

6. I; Temporary ownership of goods held for resale — Inventory

7. G; The total value of all goods and services produced in a country — Gross Domestic Product (accept GDP)

8. B; Legal process in which a business declares inability to pay debts — Bankruptcy

9. C; Ability for a customer to obtain goods or services before payment — Credit

10. L; Legal claim against an asset to secure a loan — Earnings Per Share

Extras:

E1. M; Market structure dominated by a single seller — Monopoly

E2. I; The rate at which prices for goods and services rise — Inflation

Team 1   Team 2

21. This author served in the Crimean War, which inspired his Sevastopol Sketches, and later experienced a spiritual crisis that led him to write *A Confession* and adopt a form of Christian anarchism. He depicted the Napoleonic invasion of Russia in one epic and the downfall of an aristocratic woman in another. Name this Russian author of *War and Peace* and *Anna Karenina*.

Answer: Leo <u>Tolstoy</u>

22. This football team won the most-watched Week 1 game in college football history on August 30, 2025. Over 13 million viewers watched as number one Texas visited this number three team in Columbus. Leading 7–0 at halftime, the home team finished with a 14–7 victory. Which program is also the defending national champion?

Answer: The <u>Ohio State</u> Buckeyes (accept: Ohio State University)

23. This philosopher rejected the divine right of kings and argued that government must be based on the consent of the governed. His concept of natural rights—life, liberty, and property—influenced Enlightenment thought and documents like the Declaration of Independence. Who is the author of *Two Treatises of Government*?

Answer: John <u>Locke</u>

24. This 1963 book begins by describing "the problem that has no name," referring to the dissatisfaction of many American housewives in the postwar era. It criticized the idealization of domestic life and helped spark the second wave of feminism in the United States. Identify this work by Betty Friedan.

Answer: *The Feminine Mystique*

25. This figure from Greek mythology was considered the most beautiful woman in the world and was the daughter of Zeus and Leda. Her abduction by Paris sparked the Trojan War, during which she lived in Troy for ten years. Name this Spartan queen.

Answer: Helen

26. Launched in early 1968 during a Vietnamese holiday ceasefire, this coordinated series of attacks by North Vietnamese and Viet Cong forces targeted more than 100 cities across South Vietnam. Though ultimately repelled, it shocked the American public and eroded support for the war. What offensive marked a turning point in U.S. involvement in Vietnam?

Answer: Tet Offensive

27. This type of elementary reaction is characterized by a rate law that is first-order with respect to the concentration of a single reactant, indicating no molecular collisions are required in the rate-determining step. It often involves internal rearrangement or bond cleavage and is exemplified by the decomposition of nitrogen dioxide. What is this classification used in chemical kinetics?

Answer: Unimolecular reaction

28. **Math Computation:** What is the z-score in a normally distributed data set with a score of 55, a mean of 20, and a standard deviation of 7? Remember, z-score is a unitless number which equals the difference between x and mu all divided by s.

Answer: 5

29. This 1885 painting shows five figures gathered around a small wooden table, eating from a shared dish beneath a low-hanging oil lamp. It was completed while the artist was living in Nuenen and working primarily with dark palettes and rural subjects. Which early work by Vincent van Gogh depicts a Dutch peasant family during an evening meal?

Answer: *The Potato Eaters*

30. **Math Computation:** Triangles ABC and DEF are similar. If angle A is 96.5 degrees and angle B is 61.3 degrees, determine angle F.

Answer: 22.2 degrees

31. This physical quantity depends on the distribution of mass relative to an axis of rotation. It appears in Newton's second law for rotation, where torque equals angular acceleration times this value. For a solid sphere about its center, it equals two-fifths $m\,r^2$. Name this rotational analogue of mass.

Answer: Moment of Inertia (prompt on inertia)

32. **Math Computation:** In $y = mx + b$ form, state the equation of a line with a slope of 7 that passes through the point (5, 1) [read: 5 comma 1].

Answer: $y = 7x - 34$ [read: y equals 7x minus 34]

33. This naval commander achieved fame for leading a decisive victory at the Battle of Manila Bay during the Spanish-American War. He commanded the U.S. Asiatic Squadron and destroyed the Spanish Pacific fleet without losing a single American life. Who was this officer promoted to Admiral of the Navy?

Answer: Admiral George Dewey

34. Airing from 2009 to 2015 on NBC, this sitcom follows employees of a small-town parks department in the fictional city of Pawnee, Indiana. It stars Amy Poehler, Nick Offerman, and Rashida Jones. What is this series?

_____ _____

Answer: *Parks and Recreation*

35. This literary character, though not present in Mary Shelley's original novel, became a staple of later adaptations as the hunchbacked, subservient assistant to a mad scientist. He is often depicted retrieving bodies for experiments and aiding in the creation of artificial life in horror films. Who is this iconic lab assistant most famously associated with Frankenstein adaptations?

_____ _____

Answer: Igor

36. This rule in quantum chemistry states that electrons will fill degenerate orbitals singly and with parallel spins before pairing occurs. It helps explain the electron configurations of elements and the stability of half-filled subshells. What is this principle named after a German physicist?

_____ _____

Answer: Hund's rule

37. This literary character is known for his hunched posture and for often speaking in tandem with his identical twin brother, who impersonates him to confuse others. He serves as the clerk and confidant of Mrs. Clennam and is deeply involved in the dark secrets surrounding her family. Name this double-dealing character from Charles Dickens's *Little Dorrit*.

_____ _____

Answer: Jeremiah Flintwinch

38. This Ottoman sultan, who reigned from 1444 to 1460 and again from 1471 to 1481, is most famous for conquering Constantinople in 1453. He expanded the Ottoman Empire significantly and was known for his use of innovative military tactics, including large cannons. Who was this sultan?

Answer: Mehmet II (Mehmed the Conqueror)

39. **Math Computation:** Compute the average of the following set of data: 26, 17, 55, 74, and 38.

Answer: 42

40. This term refers to the angular distance of a celestial object north or south of the celestial equator. It is one of the two coordinates in the equatorial coordinate system, along with right ascension. Similar to latitude on Earth, it is measured in degrees. Identify this astronomical quantity.

Answer: Declination

Moderotor	*(Check score with chief judge and scorekeeper.)*
	The score ot the end of the third quorter is:
	    (school name) _____has_____ points
	    (school name) _____has_____ points
	Coaches you may approach your team for 30 seconds to ossist in any questions.
	This is not a chorged time out ond this is not your substitution meeting. *(Pause briefly for protests.)*
	Are there any questions?

Chief Judge	*(Restate the score if they have changed because of protests.)*

4th Quarter – Sixty Second Instructions

Moderator	**The fourth quarter of sixty second questions is about to begin. Everyone please be seated.**
	The categories for the 4th quarter are: *(Brief description)*
	      1. *SOCIAL STUDIES-WORLD CAPITALS, ISLAND NATIONS*
	      2. *SCIENCE-COMPUTER ACRONYMS*
	      3. *FINE ARTS-OLD TESTAMENT PLACES*

Teams, you may huddle with your team and coach away from the playing table for 30 seconds to discuss substitutions and category selection. Please leave oll paper and pencils at your table during this huddle. Your 30 seconds begin now. (Begin time) Time is up, please return to your tables. Do not bring anything back to the table with you.

Teams, please designate your captoins for this round.

You will have 10 seconds to choose your category. (Active team) may move to a position behind the captain. (Other team) put down your pencils. Captain, all answers will come from you unless you defer to another student.

Moderator	*(School name)* **You will have your choice of the two remaining categories.** *(Other team)* **put down your pencils.** *(Active school)* **may move to a position behind your captain. You will have 10 seconds to make your selection.**
	The selections are:
	      1.
	      2.

Moderator	*(Check the score with the chief judge and score keeper)* **The score at the end of the game is:**
	    (School name) _____has_____points
	    (School name) _____has_____points

Are there any questions? Coaches you may approach your team for 30 seconds to ossist in any questions. This is not a charges time out.
(Restate the score if it has changed)

(If the game is tied, sudden death questions will be asked.)
Because the game is tied, sudden death toss-up questions will be asked. Would either team like to make substitutions? Again, this is not a time for coaches to confer with their team. (Pause for substitutions.)

Moderator	**This concludes the game. Congratulations to both teams. Please check your bracket** **and move to the next round as quickly as possible.**

Social Studies: World Capitals, Island Nations

Directions: Given the following Island Nations, name their capital city.

1. Antigua and Barbuda   Saint John's

2. Bahrain   Manama

3. Barbados   Bridgetown

4. Brunei   Bandar Seri Begawan

5. Cape Verde (Cabo Verde)   Praia

6. Comoros   Moroni

7. Cuba   Havana

8. Cyprus   Nicosia

9. Dominica   Roseau

10. Dominican Republic   Santo Domingo

   Extras:

E1. East Timor (Timor-Leste)   Dili

E2. Kiribati   Tarawa

Science: Computer Acronyms

Directions: Given the following computer acronyms, give the full term it represents.

1. URL   Uniform Resource Locator

2. IP   Internet Protocol

3. LAN   Local Area Network

4. HDD   Hard Disk Drive

5. GPU   Graphics Processing Unit

6. HTTP   Hypertext Transfer Protocol

7. PSU   Power Supply Unit

8. SQL   Structured Query Language

9. UPS   Uninterruptible Power Supply

10. VPN   Virtual Private Network

Extras:

E1. DNS   Domain Name System

E2. API   Application Programming Interface

Directions: Given a brief description, name the following places mentioned in the Old Testament

1. Where Moses received the Ten Commandments — Mount Sinai

2. City whose people repented after Jonah's warning — Nineveh

3. City of exile for the Israelites — Babylon

4. Homeland of Abraham before his call — Ur

5. City captured by David and made his capital — Jerusalem

6. The Promised Land of the Israelites — Canaan

7. Where Israelites were enslaved before the Exodus — Egypt

8. Garden where Adam and Eve lived — Eden

9. River crossed by Israelites into the Promised Land — Jordan River

10. Hill in Jerusalem tied to David's city and temple — Mount Zion

Extras:

E1. Birthplace of David — Bethlehem

E2. Where Abraham prepared to sacrifice Isaac — Mount Moriah

Extra Questions	Team 1	Team 2

E1. King Victor Emmanuel III's decision to invite a political leader to form a government marked this major turning point in Italian history. That leader's supporters had converged on the capital in 1922, demanding power through a show of force. What is this political event that marked Benito Mussolini's rise to power?

Answer: March on Rome

E2. Discovered in 1879, this phenomenon occurs when a magnetic field applied perpendicular to a current-carrying conductor produces a transverse voltage. It is widely used to measure magnetic fields and carrier densities. Identify this effect central to condensed matter physics.

Answer: Hall Effect

E3. This 1995 science fiction film is set in a future where the polar ice caps have melted, covering nearly all land. Kevin Costner stars as the Mariner, a drifter with gills who helps a woman named Helen and a young girl search for the mythical Dryland. Name this film.

Answer: *Waterworld*

E4. In early 20th-century atomic research, this physicist assisted in the famous gold foil experiment that led to the discovery of the atomic nucleus. Working under Ernest Rutherford, he helped demonstrate that atoms consist mostly of empty space with a dense, positively charged core. Who is this scientist?

Answer: Ernest Marsden

E5. This literary character is the son of a clergyman who rejects the Church in favor of a more secular life and travels to Talbothays Dairy, where he falls in love with a milkmaid. After marrying her, he cruelly abandons her upon learning of her past, only to return later filled with remorse. Identify this husband of Tess Durbeyfield in Thomas Hardy's Tess of the d'Urbervilles.

_____ _____

Answer: <u>Angel</u> Clare

E6. This collection includes stories about women confronting failed relationships, misread intentions, and irreversible choices, including a trilogy centered on a character named Juliet. Its title story follows a young woman named Carla who considers leaving her controlling husband but is ultimately persuaded to stay. Name this 2004 short story collection by Alice Munro.

_____ _____

Answer: *Runaway*

E7. **Math Computation:** Solve for both x and y in the following system of equations: y = x - 2 [read: y equals x minus 2] and 2x + y = 1 [read: 2x plus y equals 1].

_____ _____

Answer: x = 1 and y = -1 [accept: 1 comma negative 1]

E8. In Greek mythology, this virgin goddess was the daughter of Cronus and Rhea and the sister of Zeus. She presided over the hearth and home, and her worship included maintaining sacred fires in city hearths. Name this goddess.

_____ _____

Answer: Hestia

E9. In Greek mythology, this centaur was known for his wisdom, healing abilities, and knowledge of medicine. Unlike other centaurs, he was immortal and tutored heroes like Achilles and Asclepius. He was wounded by a poisoned arrow and chose to relinquish his immortality. Identify this mythological figure.

Answer: Chiron

E10. This Italian nationalist led volunteer forces known as the Redshirts in campaigns that helped unify southern Italy in the mid-19th century. He turned over conquered territory to Victor Emmanuel II, aiding the formation of a unified Italian kingdom. Name this military leader who played a key role in the Risorgimento.

Answer: Giuseppe Garibaldi